

PROJECT DESCRIPTION  
I. GENERAL  
THIS PROJECT INVOLVES THE INSTALLTION OF AN HAZARD IDENTIFICATION BEACON (H.I.B.) ON THE WEST BOUND APPROACH ON MD 256 FOR THE TRACY'S ELEMENTARY SCHOOL ENTRANCE IN ANNE ARUNDEL COUNTY.  
MD 256 RUNS IN A EAST-WEST DIRECTION.

A. EQUIPMENT TO BE FURNISHED BY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
1 EACH	1	CONTROLLER ASC 11 S W/ NTC MODULE AND UPS SYSTEM
27 S.F.	1	PHONE DROP HOUSED IN A 6" SIZE MOUNTED CABINET
	1 EACH	FED. S1-1 SIGN, 36" x 36", POLE MOUNTED HARDWARE
	1 EACH	FED. S2-2 SIGN, 24" x 30", POLE MOUNTED HARDWARE
	1 EACH	FED. S4-3 SIGN, 12" x 36", POLE MOUNTED HARDWARE
	1 EACH	R2-1 SIGN, "SPEED LIMIT, 45", 24" x 30", POLE MOUNTED HARDWARE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	TEST PIT EXCAVATION
6001	16 S.F.	F & I 4" CONCRETE SIDEWALK
8001	1 C.Y.	F & I CONCRETE FOUNDATION
8003	1 EACH	F & I 14" BREAKAWAY PEDESTAL POLE AND BASE
8019	1 EACH	INSTALL CONTROLLER & CABINET - POLE MOUNT
8024	70 L.F.	F & I 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8027	60 L.F.	F & I 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8033	1 EACH	F & I ELECTRICAL HANDHOLE
8034	1 EACH	F & I GROUND ROD - 3/4" DIA. x 10' LENGTH
8035	1 EACH	F & I CONNECTOR KIT - TYPE 1
8036	1 EACH	F & I CONNECTOR KIT - TYPE 2
8043	80 L.F.	F & I ELECTRICAL CABLE - 3-CONDUCTOR (NO. 14 AWG)
8047	30 L.F.	F & I ELECTRICAL CABLE - 1-CONDUCTOR (NO. 8 AWG TYPE THWN/THHN, 60V)
8048	20 L.F.	F & I NO. 6 STRANDED BARE COPPER GROUND WIRE
8051	30 L.F.	F & I WOOD SIGN SUPPORTS - 4" x 6"
8052	27 S.F.	INSTALL GROUND MOUNTED SIGNS
8060	1 EACH	REMOVE AND DISPOSE OF THE EXISTING MATERIAL AND EQUIPMENT
8066	1 EACH	F & I CONTROL AND DISTRIBUTION EQUIPMENT (120 V. 1 PHASE 3 WIRE SYST)
8069	1 EACH	F & I PHOTOCELL
8084	2 EACH	F & I 12" VEHICULAR BLACK FACED TRAFFIC SIGNAL HEAD SECTION

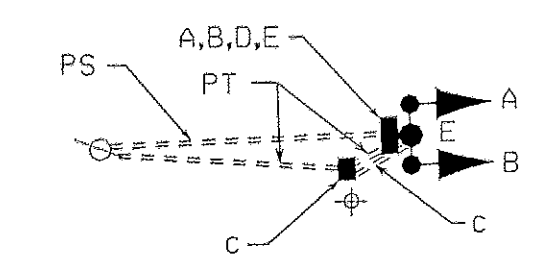
C. MATERIALS TO BE REMOVED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR		

UTILITY LEGEND

— G —	GAS MAIN
— W —	WATER MAIN
— S —	SEWER MAIN
— E —	ELECTRIC CABLES
— A —	AERIAL CABLES
— T —	TELEPHONE CABLES
— D —	STORM DRAIN

WIRING DIAGRAM  
A-B = 3-CONDUCTOR CABLE (NO. 14 AWG)  
C = NO. 6 STRANDED BARE COPPER GROUND WIRE  
D = 1-CONDUCTOR CABLE (NO. 8 AWG) - 3 TIMES - FOR SERVICE  
E = 3-CONDUCTOR CABLE (NO. 14 AWG) - FOR PHOTOCELL  
PS = PROPOSED UNDERGROUND ELECTRICAL SERVICE  
PT = PROPOSED TELEPHONE DROP  
Φ = GROUND ROD



NOTE TO THE CONTRACTOR:  
1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THIS PLAN IS SCHEMATIC AND IS NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

- CONSTRUCTION DETAILS:
- A. INSTALL THE 14" BREAKAWAY PEDESTAL POLE, "G" POLE MOUNTED CABINET W/ CONTROLLER, SIGNAL HEADS (2), SIGN, 3" PVC SCHEDULE 80 BEND, TWO (2) 2" PVC SCHEDULE 80 BEND, CONCRETE PAD (4' x 4'), PHOTOCELL, AND CONCRETE FOUNDATION.
  - B. INSTALL THE PROPOSED HANDHOLE, AND GROUND ROD.
  - C. INSTALL 2" SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED).
  - D. INSTALL 3" SCHEDULE 80 PVC ELECTRICAL CONDUIT - FOR SERVICE.
  - E. INSTALL 2" SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED) - FOR TELEPHONE DROP.
  - F. INSTALL A 3" SCHEDULE 80 PVC BEND (FOR SERVICE), AND A 2" SCHEDULE 80 PVC BEND (FOR TELEPHONE DROP) AT THE BOTTOM OF THE UTILITY POLE.
  - G. INSTALL THE PROPOSED GROUND MOUNTED SIGN.
  - H. REMOVE THE EXISTING SIGN.

REVISIONS		APPROVALS		MARYLAND DOT - STATE HIGHWAY ADMINISTRATION	
				Office of Traffic & Safety	
				TRAFFIC ENGINEERING DESIGN DIVISION	
				MD 256 Approaching TRACY'S LANDING ELEMENTARY SCHOOL TRACY'S LANDING, MARYLAND	
				DRAWN BY: B. Mancini	
				CHECKED BY: [Signature]	
				SCALE: 1" = 30'	
				DATE: 04/2001	
				F.A.P. NO.	
				S.H.A. NO. AA683A501B5B	
				COUNTY ANNE ARUNDEL	
				LOG MILE 02025600.00	
				T.S. NO.	
				TS-4087	
				T.I.M.S. NO.	
				E566	
				SHEET NO.	
				1 OF 1	